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JAN 15 2007

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Tarvin, Jeffery A. et al.

§ Group Art Unit: 3676

Serial No.: 10/711,918

§ Examiner: Ditrani, Angela M.

Filed: October 13, 2004

§ Atty. Docket: 101.0166

For: SYSTEM AND METHOD TO  
INTERPRET DISTRIBUTED  
TEMPERATURE SENSOR DATA AND  
TO DETERMINE A FLOW RATE IN A  
WELL

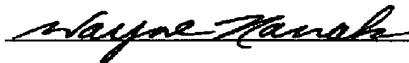
§

Mail Stop Amendment  
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37 C.F.R. 1.8

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Date


RESPONSE TO RESTRICTION REQUIREMENT

Dear Sir:

In response to the Office Action mailed December 21, 2006, the Applicants elect to prosecute Invention I, claims 1-48, in the present application. This election is made without traverse. Claims 49-94 are hereby withdrawn without prejudice to the filing of divisional applications. Please amend the application as follows:

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PTO/SB/21 (09-06)

Approved for use through 03/31/2007. OMB 0651-0031  
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TRANSMITTAL  
FORM

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

Application Number	10/711,918
Filing Date	October 13, 2004
First Named Inventor	Tarvin, Jeffery A.
Art Unit	3676
Examiner Name	Ditreni, Angela M.
Attorney Docket Number	101.0186US

14

## ENCLOSURES (Check all that apply)

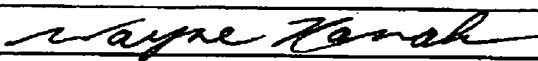
<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance Communication to TC
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input checked="" type="checkbox"/> Amendment/Reply	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Change of Correspondence Address	<input type="checkbox"/> Other Enclosure(s) (please identify below):
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	Remarks	

## SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	Schlumberger Technology Corporation		
Signature			
Printed name	Wayne Kanak		
Date	January 16, 2007	Reg. No.	35,564

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Signature			
Typed or printed name	Wayne Kanak	Date	January 15, 2007

This collection of information is required by 37 CFR 1.6. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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